

*Monterey Bay National Marine Sanctuary
Exploration Center*

*Sanctuary Advisory Council update
8.21.09*





Sanctuary Exploration Center Completion Schedule for

December, 2006: Conceptual Design complete
February, 2007: Architectural Schematic Design complete.
March, 2007: Exhibits Schematic Design complete
September, 2007: Design Development complete
March, 2008: Environmental Assessment Complete
January 2009: 50% Exhibit Construction Documents
February, 2009: 95% Facilities Construction Documents complete
October 2009: Contractors Pre-qualification
December, 2009: 95% Exhibit Construction Documents complete
March 2010: 100% CD Facilities and Exhibits
May, 2010: Bid and Award Building and Exhibits

May 2010-July 2011: Building Construction



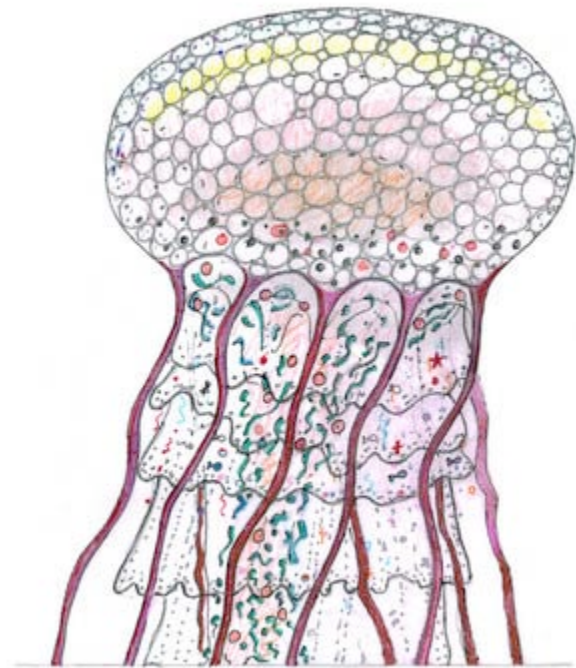
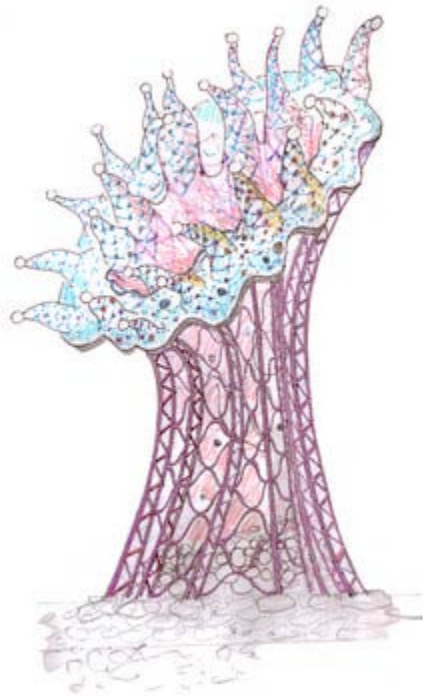
Ocean Fair-September 19th, 2009

FUTURE HOME OF

Monterey Bay National Marine Sanctuary Exploration Center



National Marine Sanctuaries



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Sea life in these waters

Open Ocean

Interesting fact regarding panel
topic goes here.



Another interesting fact on
the panels topic goes here.

A Leopard Shark cruises through
the kelp forest. Many creatures
depend on the kelp forest for
(insert fact here).





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Monterey Bay National Marine Sanctuary Exploration Center

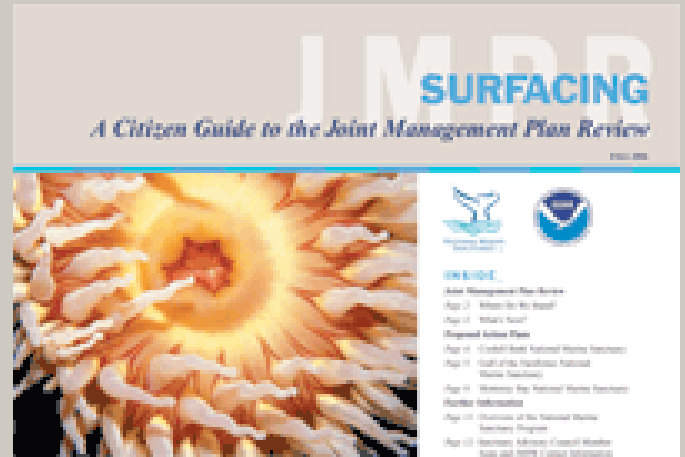


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Action Plan:

Take Science to the Public



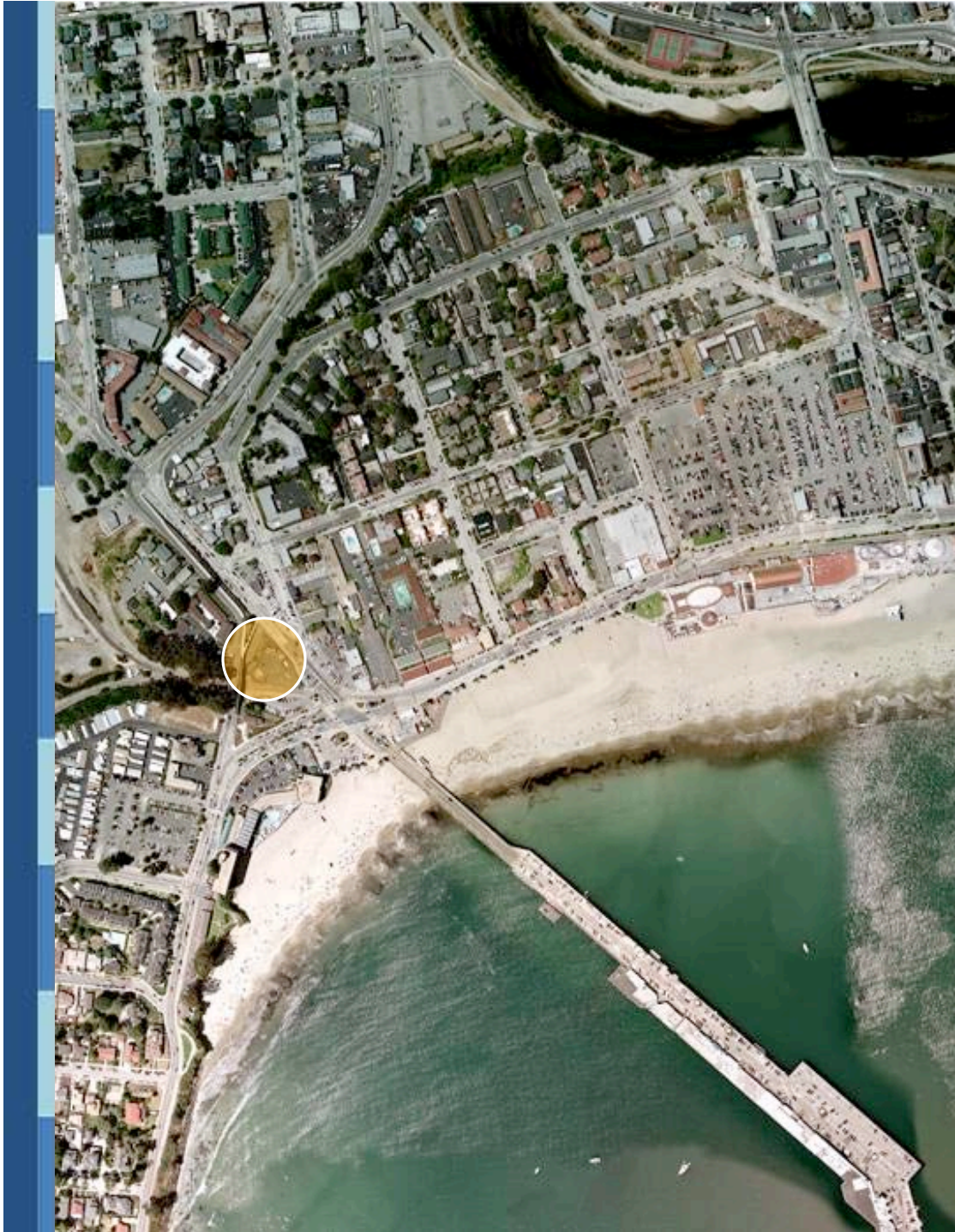
“The characteristic of public design (location based facilities) and its treatment of raising public awareness and awareness of the state of the environment facing the MBNMS the creation of an information science take heart of the public.”



Santa Cruz Beach Boardwalk Location



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Estimated 3-4 million visitors annually

The breakdown of visitors based on surveys for 2007 (Statistics courtesy of Seaside Company) :

40% = San Francisco Bay Area
(1/3rd go to the Monterey Bay Aquarium)
18% = Local Market
15% = Central Valley
10% = Other Northern California
12% = Foreign travelers or out-of-state
5% = Southern California

Demographics=

56% Caucasian

26% Latino

8% Asian

6% African American

4% Other



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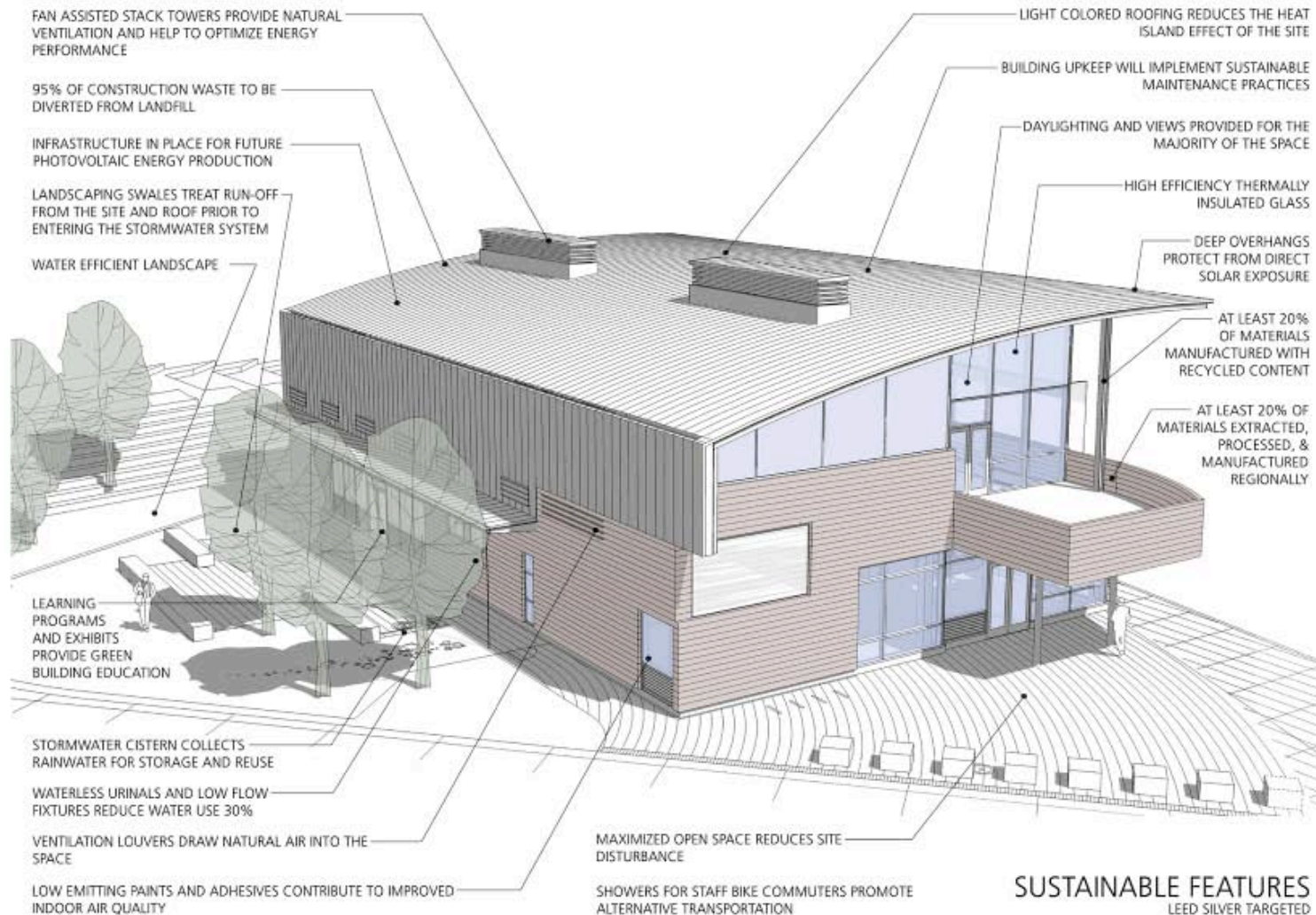


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Exploration Center Goals

- Establish the City of **Santa Cruz** as a gateway to the MBNMS providing orientation for visitors.
- Raise the **awareness of the Sanctuary's presence**.
- **Involve and educate visitors** about the sanctuary's unique and fascinating coastal and marine natural resources.
- Instill in visitors a **sense of personal stewardship** with regard to the sanctuary and an understanding of how to help protect it.
- Construct an **environmentally sensitive building** that will demonstrate the advantages of sustainability.



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Program Elements



Research



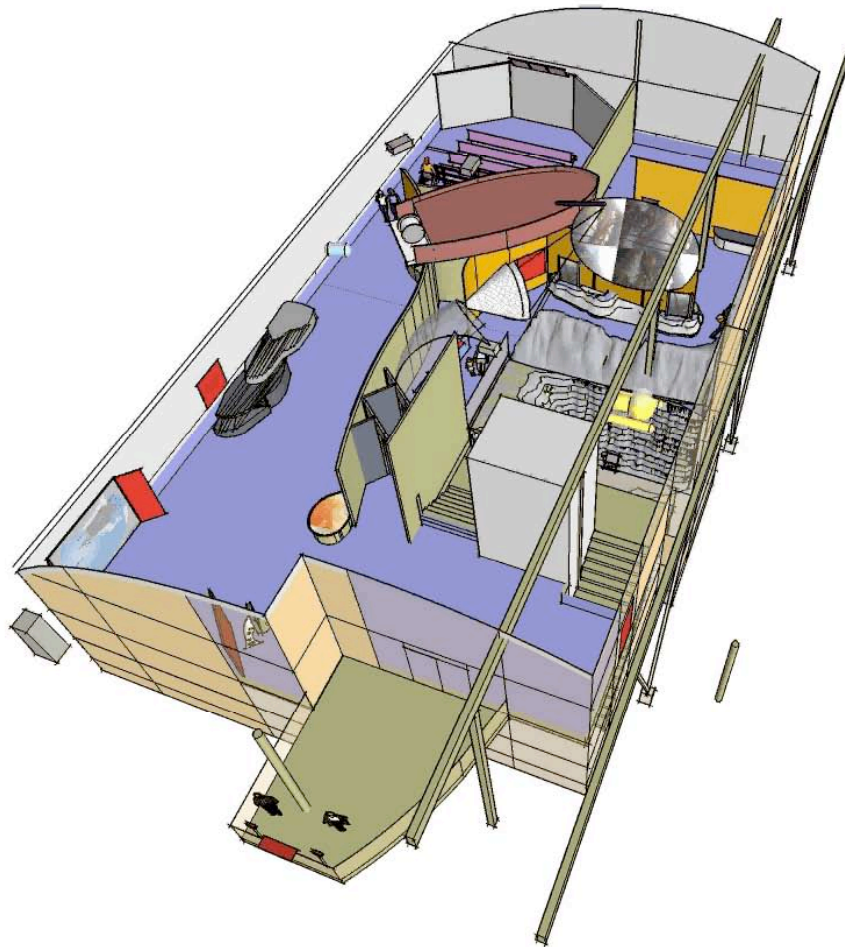
Education



Monitoring

**Resource
Protection**

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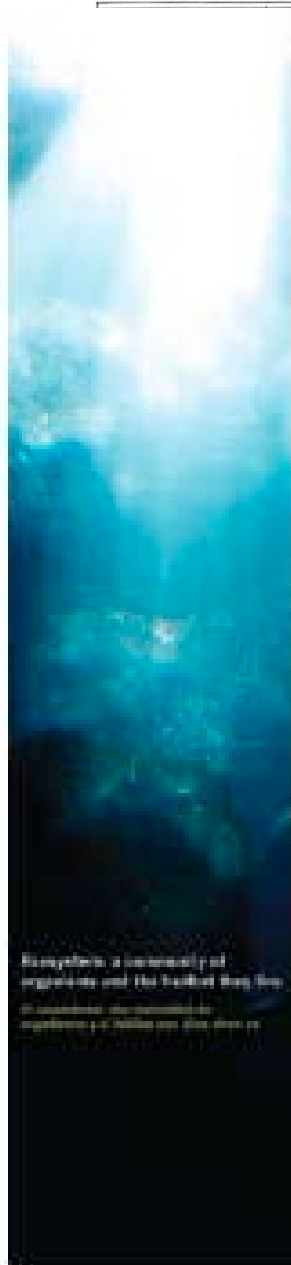


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Biodiversity: the variety of life
in a particular environment

As biodiversity is essential to
the health of our oceans, it is
also an essential part of our future.



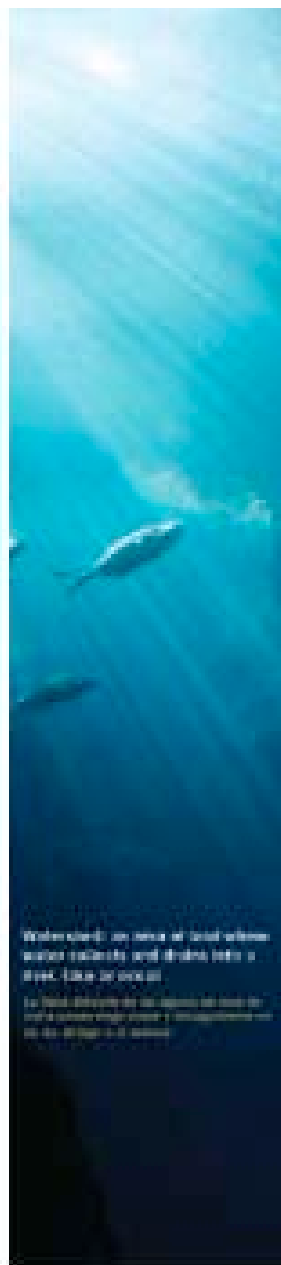
Ecosystems: a community of
organisms and the habitat they live
in

As ecosystems are essential to
the health of our oceans, it is
also an essential part of our future.



Habitat: a living thing's home

As habitat is essential to the health of our oceans, it is
also an essential part of our future.



Watershed: an area of land where
water collects and drains into a
river, lake or ocean

As land draining to our oceans is essential to
the health of our oceans, it is
also an essential part of our future.



Sanctuary: a safe place, a refuge

As sanctuaries are essential to the health of our oceans, it is
also an essential part of our future.





Water Quality =

C

We all depend on clean water

Todos dependemos de agua potable

Always wash your car at a carwash that recycles water.

At home, chemicals in your soap can flow down the sidewalks and streets and into the ocean through storm drains.



Recycle plastics and pick up trash, especially on streets and beaches.

Who wants to swim or surf in water full of cigarette butts, plastic bags, water bottles and other trash?



Recycle used motor oil and fix your vehicle's leaks. Never wash spills into storm drains.

Cars, trucks and boats leak more oil into waterways and the ocean every year than any tanker has ever spilled.



Don't go in the water if you see signs like this!

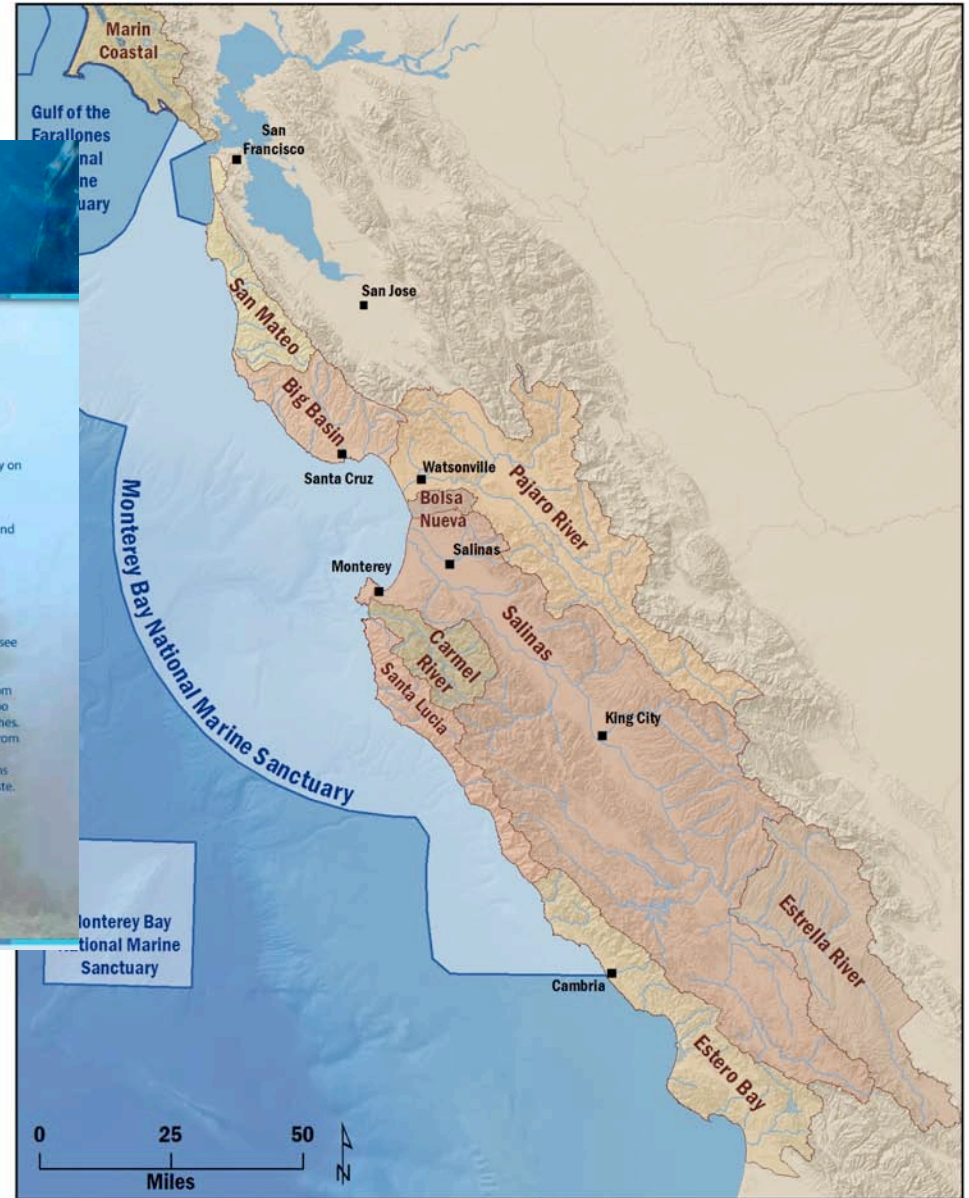
When the bacteria count from human or animal waste is too high, authorities close beaches. The bacteria usually come from sewage spills but can be a result of faulty septic systems or uncollected livestock waste.



BROCHURE RACK

DONOR PANEL

Watersheds flowing into the Monterey Bay National Marine Sanctuary

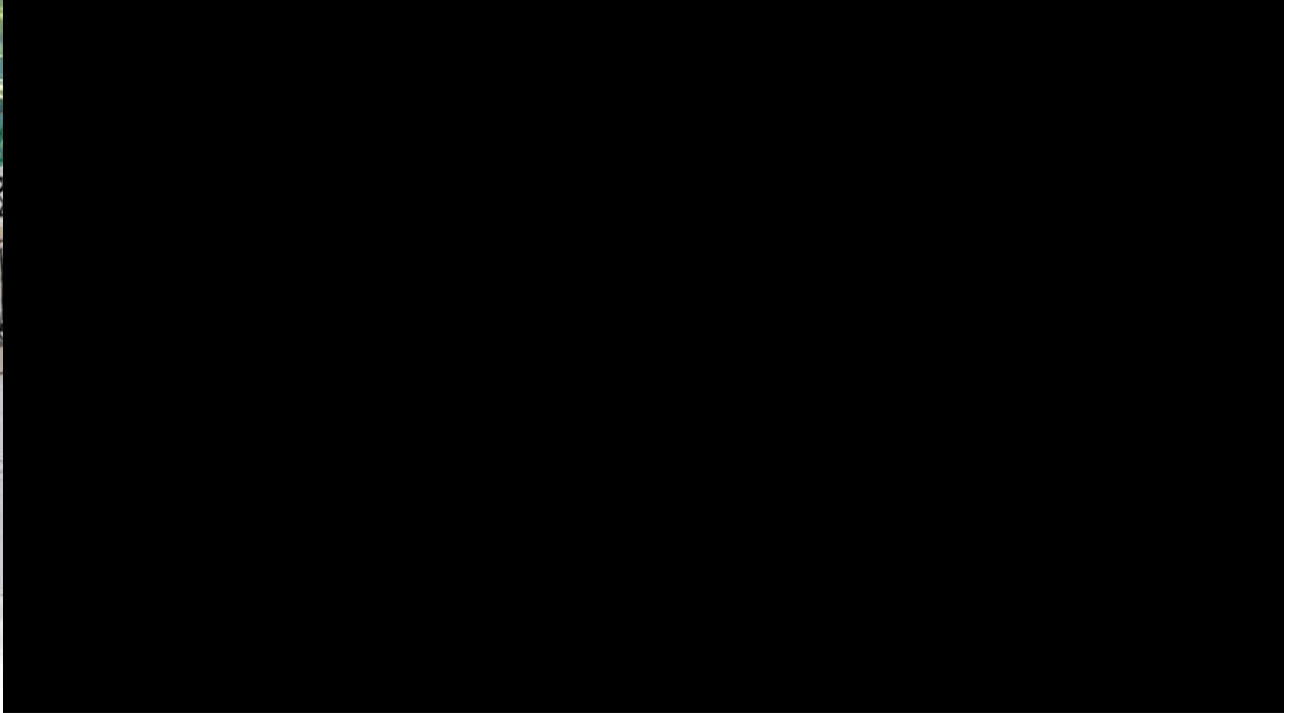
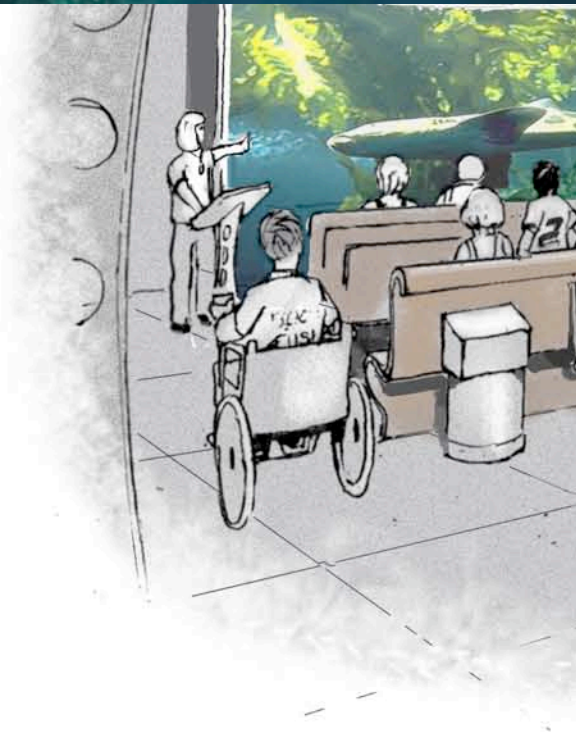
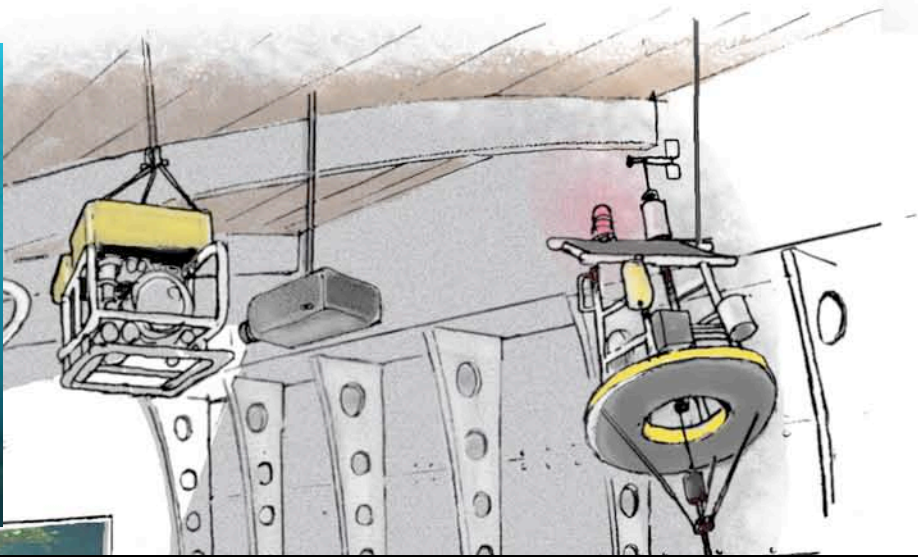


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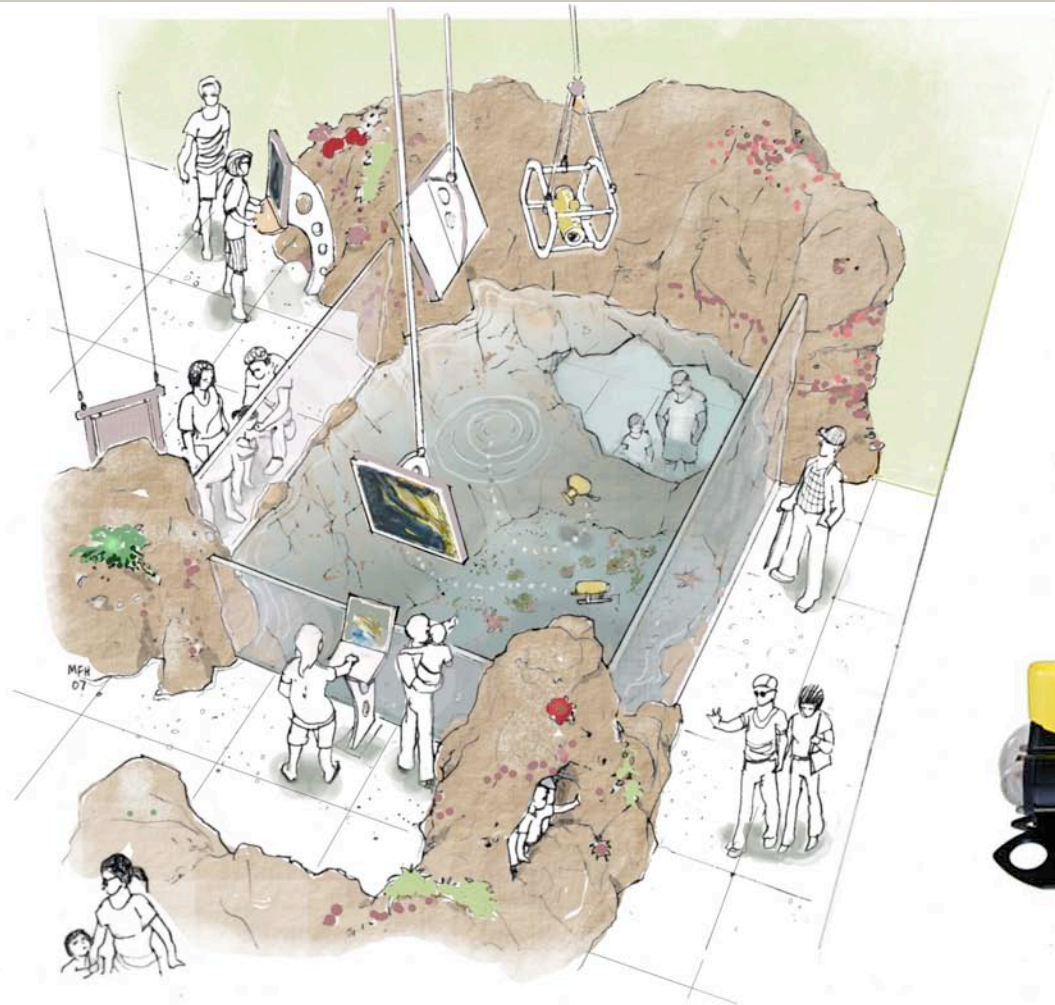


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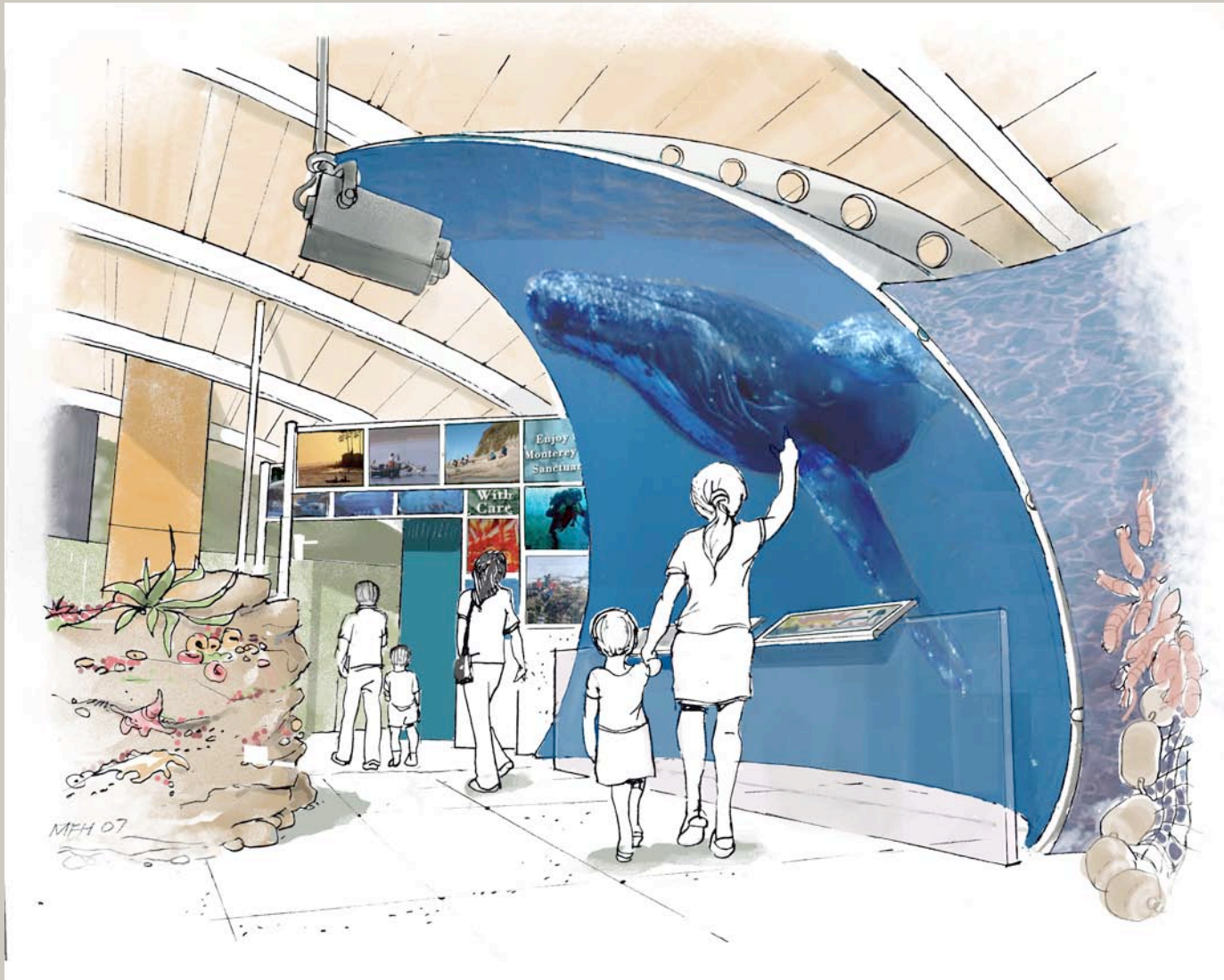




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As a result of visiting the Sanctuary Exploration Center,
visitors (of all ages) will:

- recognize that the sanctuary exists;
- learn about the many interesting things in the sanctuary;
- grasp how they are connected to the resources, how they affect them, and that living things (including people), can continue to benefit from them.

Ultimately leading to a feeling of stewardship for the sanctuary and that it is worth protecting.



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THOMAS HACKER
ARCHITECTS INC.



The visitor center will be an architecturally distinct two story, 10,600 square foot US Green Building Leaders in Energy and Environmental Design (LEED) building overlooking the ocean.

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- **Project Background**
- **Architecture**
- **Exhibit Content**
- **Timeline/Budget**



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Monterey Bay National Marine Sanctuary Visitor Center Budget

Project Elements	Total Project Costs	Committed To Date	Additional PAC	Other Funds	Funds still needed
Land	\$2,000,000	\$2,000,000	\$0	\$0	\$0
Planning	\$398,815	\$398,815	\$0	\$0	\$0
Facilities	\$9,714,811	\$1,372,538	\$0	\$500,000	\$7,842,273
Exhibits	\$3,434,426	\$631,372	\$1,000,000	\$0	\$1,803,054
TOTAL	\$15,548,052	\$4,402,725	\$1,000,000	\$500,000	\$9,645,327

Facilities Budget Breakdown:

- Construction, building costs, site improvements, parking reconstruction = \$5,581,000
- Construction Contingencies = \$1,368,000
- Green Building Requirements = \$247,645
- Construction inflation with 2-year delay = \$613,877

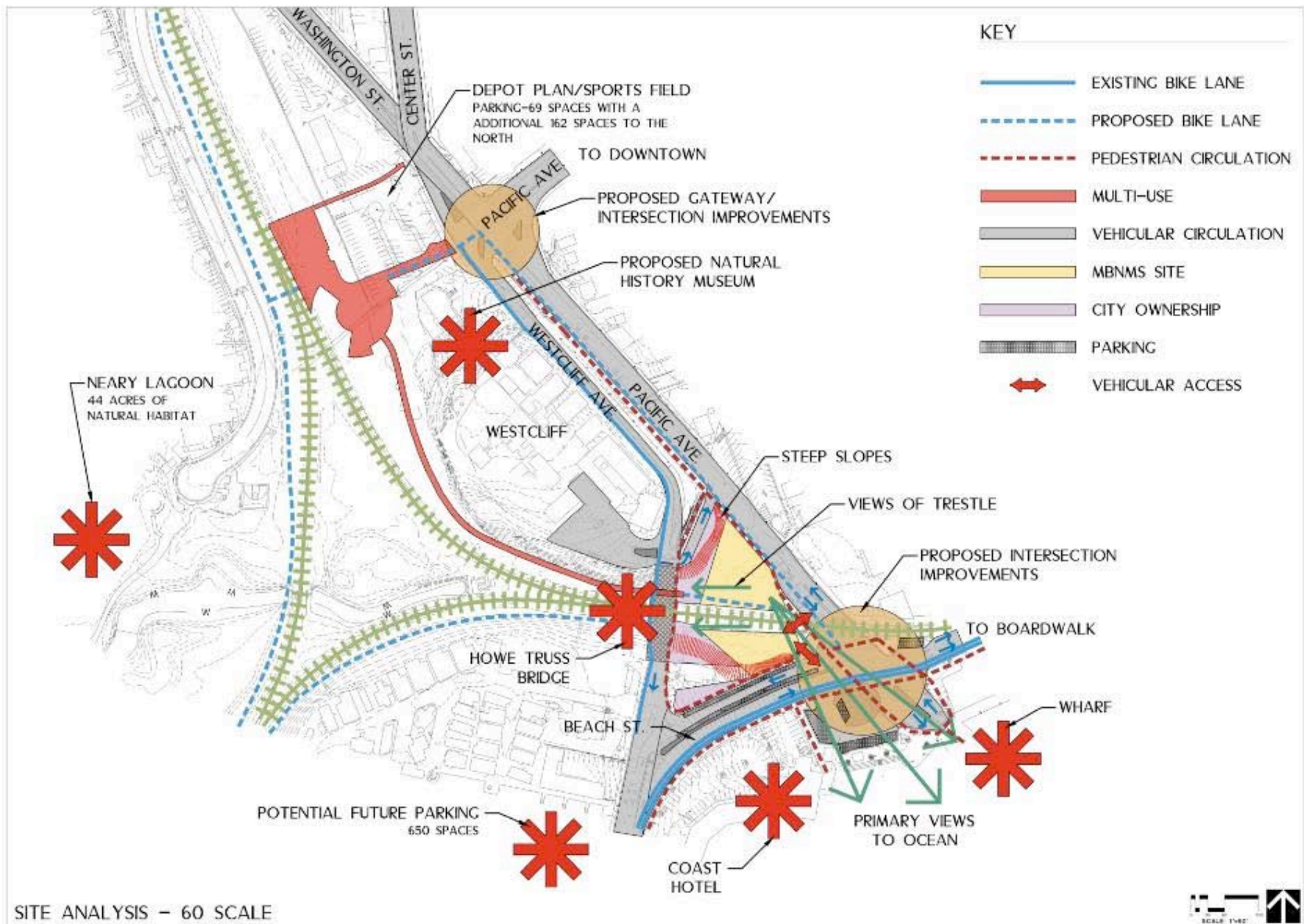
Facility square footage costs = \$425/sq ft

Exhibit square footage costs = \$700-\$750/sq ft



Ocean

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SITE ANALYSIS - 60 SCALE



MONTEREY BAY NATIONAL MARINE SANCTUARY VISITOR CENTER

WALKER-MACY

THOMAS HACKER
ARCHITECTS INC.



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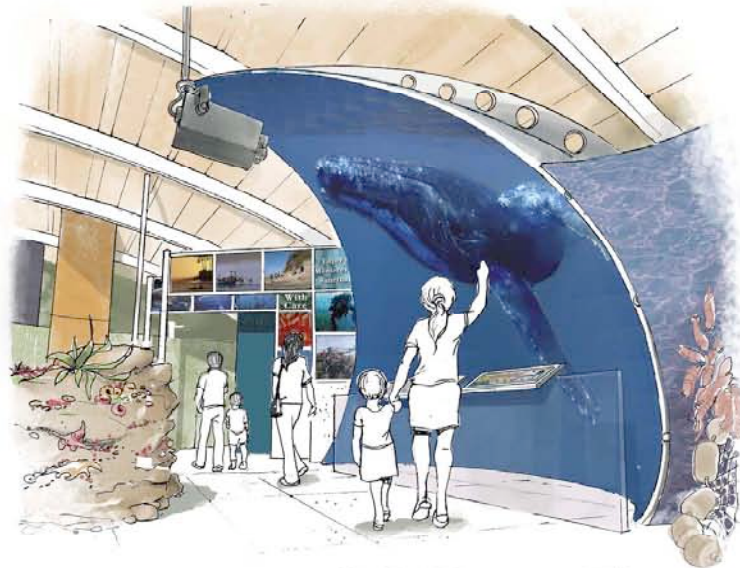


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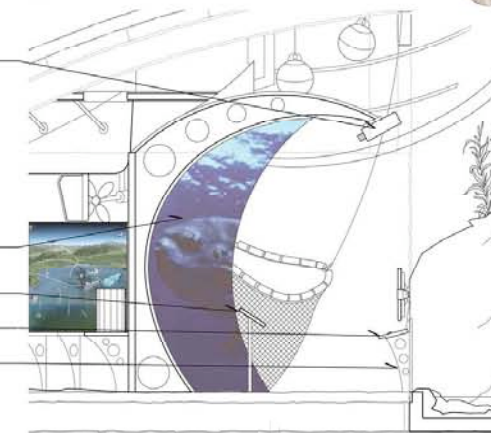
(1x) Overhead Projector Mounted to Custom Projection Screen Frame

Custom Partial Hemisphere Projection Screen w/Frame

Glass Rail w/3-Season's Interpretive Graphic Rail Panels

IVK - Interactive Kiosk/Submarine Canyon

Removable Interactive Console Glass Rail

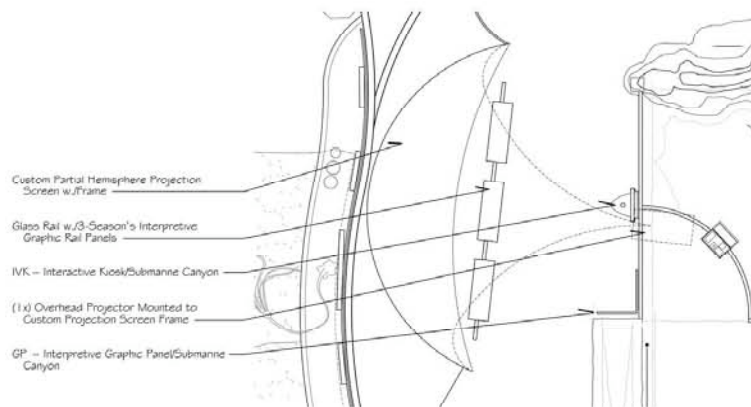


Partial Exhibit Section

Open-Ocean Immersion Mini Theater Concept:

To provide a dynamic visitor experience of the infinite "Open-Ocean" found in the Monterey Bay National Marine Sanctuary within the small constraints of the "Bio-diversity gallery" spaces a semi-hemisphere immersion theater utilizing high definition footage from NOAA archives will provide the dynamic underwater experiences.

This underwater visit will not be interactive, but will immerse the visitor with 3-5 minutes of underwater "Open-Ocean" audio-visual experiences. The actual footage will be developed to tell the story of the "Three Seasons" found in the sanctuary with the changes to the weather, tides, animals, etc. A frameless glass rail that runs diagonally across the length of the theater prevents visitors from breaking the projection onto the screen from the LCD projector inconspicuously suspended at the opposite end of the theater projection screen frame. Graphic panels mounted on the rail will also interpret the "Three Seasons" message as well. High-definition surround sound speakers and subwoofer are concealed behind and within the hemisphere projection screen.



Partial Exhibit Plan



BIOS

Planning Design Construction

The San Juan Building
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Bainbridge Island, WA 98110
Ph: 206.842.3470
Fx: 206.842.3470
www.bios-design.com

MONTEREY BAY NATIONAL MARINE SANCTUARY OPEN OCEAN MINI THEATER

Project Status: Currently in design

10/16/07



National Sanctuary Program

2000: National Marine Sanctuary System Education Plan

2001: Market Analysis and Interpretive Strategy

2004: U.S. Commission on Ocean Policy Report

2004: NMS approves development of MBNMS Visitor Center

MBNMS

1992: MBNMS Management Plan.

2003: 2-year site, 23 site evaluation was conducted

2004: Architects and Exhibits firms chosen.

2005: Visitor Center main messages were developed with a group of stakeholders

2006 Conceptual Design for exhibits and architecture complete.

2006 Eco-Charrette Report identifying specific LEED sustainable goals and strategies.

2007 Schematic Design and Design Development for exhibits and architectural design complete



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